

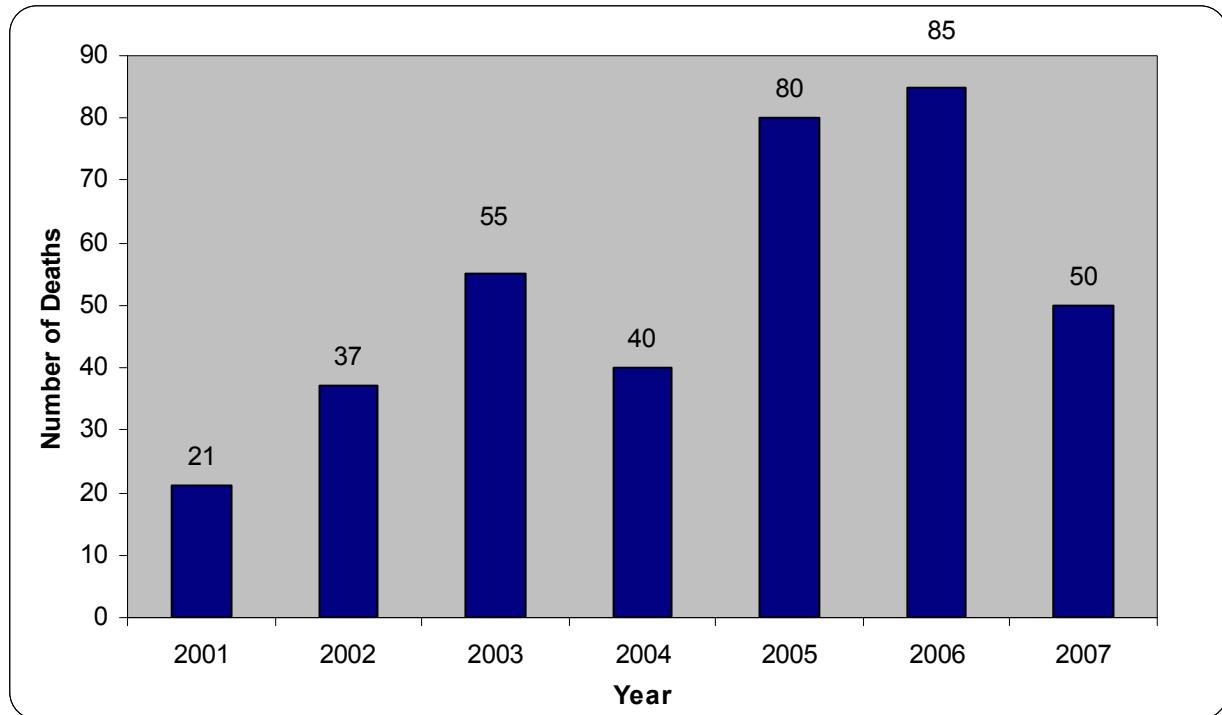


MARICOPA COUNTY DEPARTMENT OF PUBLIC HEALTH
DIVISION OF DISEASE CONTROL
OFFICE OF EPIDEMIOLOGY AND DATA SERVICES

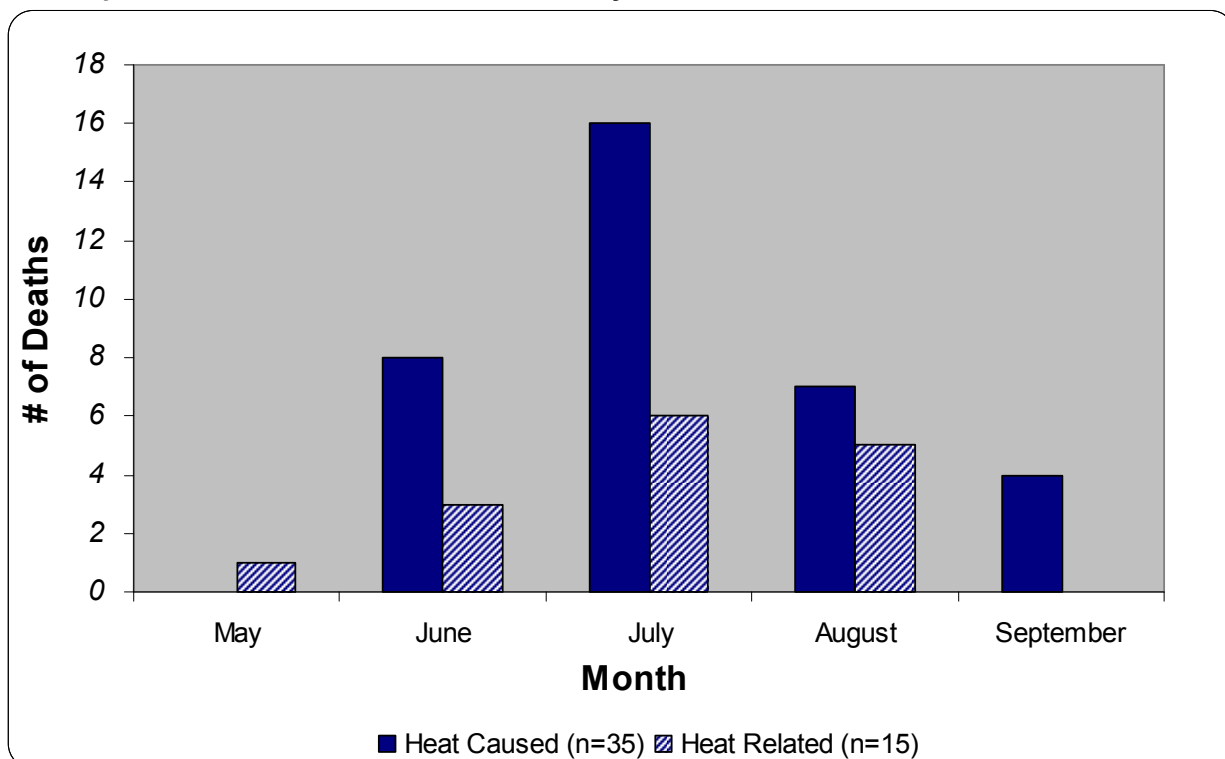
HEAT CAUSED AND HEAT RELATED DEATH OCURRENCES IN MARICOPA
COUNTY

August 12, 2008

Graph 1. Heat Caused and Related Deaths by Year, Maricopa County: 2001-2007



Graph 2. Heat Caused and Related Deaths by Case Classification and Month, 2007



Data Sources: Maricopa County, Offices of Vital Registration (Public Health) and of the Medical Examiner; Arizona Department of Health Services, Office of Vital Registration.

Classification Criteria

****Heat Caused (HC):** Cases that mention heat or heat exposure in Part I of the death certificate causes of death (diseases or conditions in the direct sequence causing death), for variables *cod_a*, *cod_b*, *cod_c*, or *cod_d*. County of death: Maricopa.

****Heat Related (HR):** Cases that mention heat exposure in Part II of the death certificate causes of death (diseases and conditions contributing but not directly resulting in the death sequence), but not in any of the Part I variables (*cod_a*, *cod_b*, *cod_c*, or *cod_d*). County of death: Maricopa.

Part I of the death certificate:

cod a – immediate cause (final disease or condition resulting in death)

cod b, *cod c*, *cod d* – sequentially listed conditions if any leading to the cause listed on *cod a*.

Part II of the death certificate: Other significant conditions contributing to death but not resulting in the underlying cause given in part I.

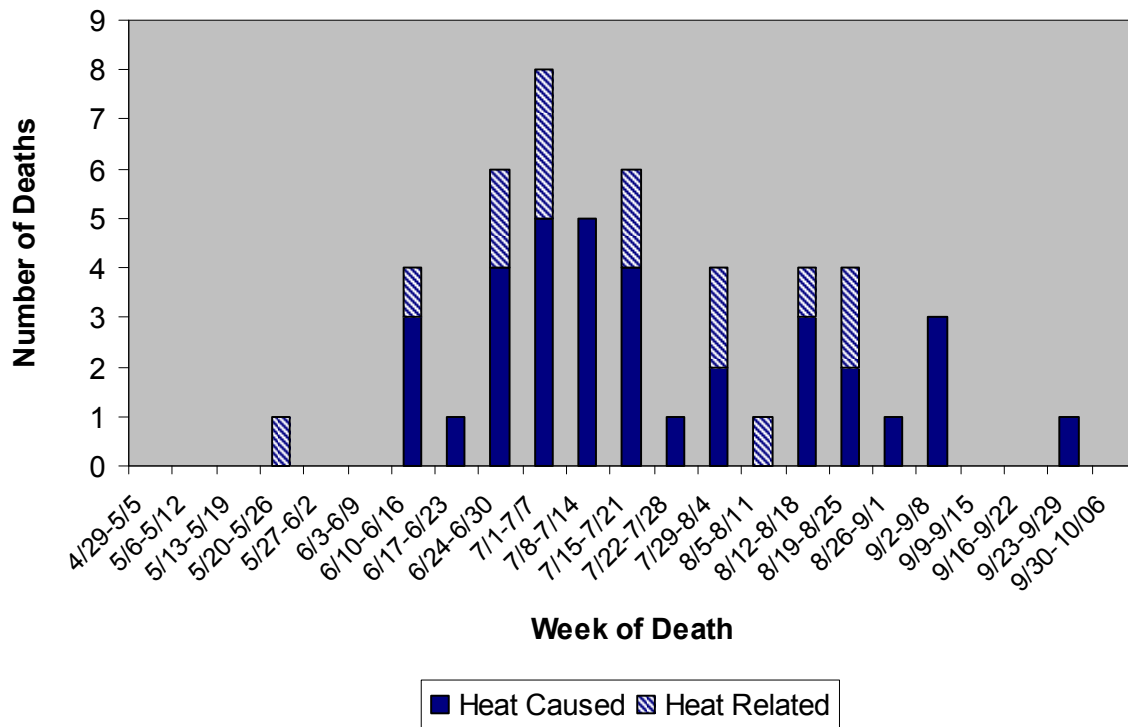
Table 1. Heat Caused and Related Deaths by Residency and Classification, Maricopa County, 2007

Classification	Residency				
Heat Caused		Arizona Resident	Non-Arizona Resident*	Unknown	Total
	Maricopa County Resident	23	0	0	23
	Non-Maricopa County Resident**	4	5	0	9
	Unknown	0	0	3	3
Heat Caused Total		27	5	3	35
Classification	Residency				
Heat Related		Arizona Resident	Non-Arizona Resident*	Unknown	Total
	Maricopa County Resident	15	0	0	15
	Non-Maricopa County Resident**	0	0	0	0
	Unknown	0	0	0	0
Heat Related Total		15	0	0	15
Classification	Residency				
Heat Caused and Related		Arizona Resident	Non-Arizona Resident*	Unknown	Total
	Maricopa County Resident	38	0	0	38
	Non-Maricopa County Resident**	4	5	0	9
	Unknown	0	0	3	3
Heat Caused and Related Total		42	5	3	50

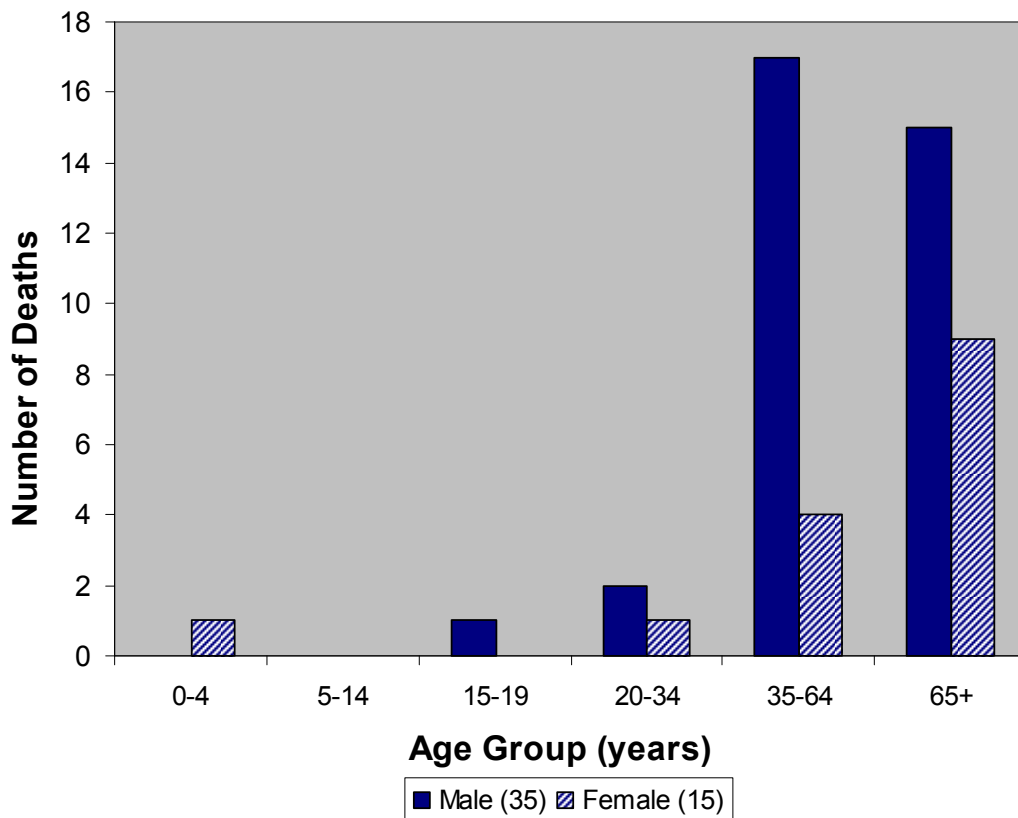
*Non-Arizona Residence include North Dakota, North Carolina, Guatemala, Honduras and Mexico

**Non-Maricopa County Residence include: Pinal, Navajo, Yuma, and LaPaz

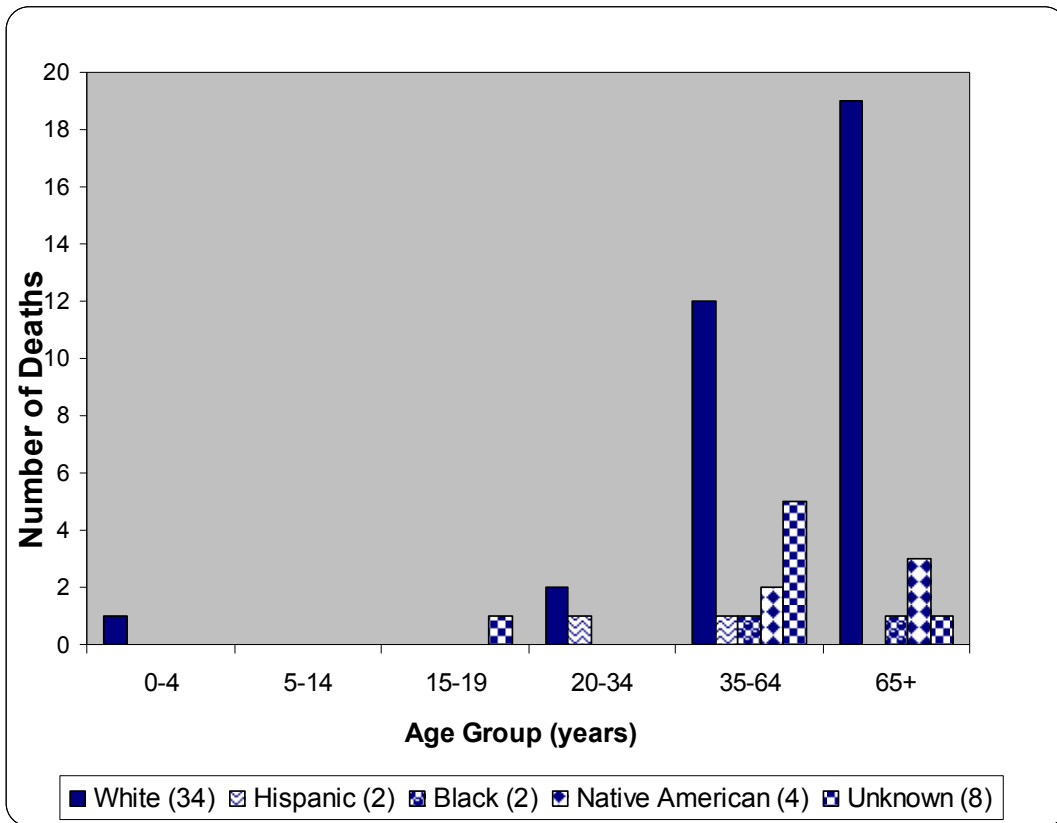
Graph 3. Heat Caused/Related Deaths by Week of Death, Maricopa County 2007



Graph 4. Heat Caused/Related Deaths by Age and Sex (n=50), 2007



Graph 5. Heat Caused/Related Deaths by Age and Race/Ethnicity (n=50), 2007

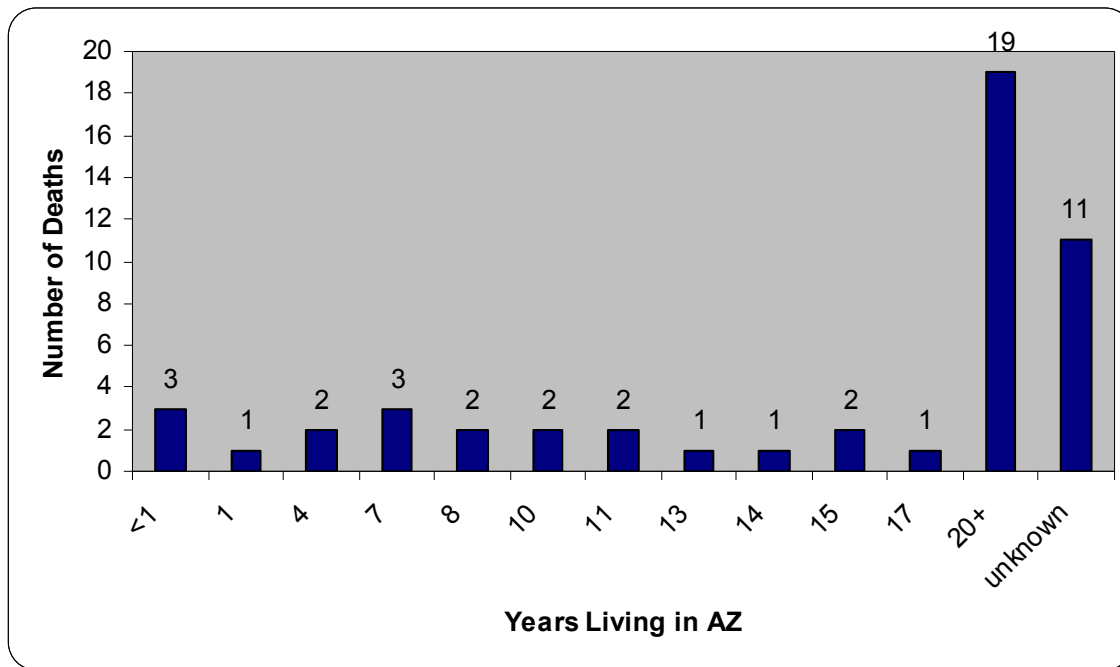


The question regarding occupational or recreational exposure needs to be better researched. Only 3 certificates mentioned occupational death and only 3 others mentioned recreational. The rest could not be classified as one or the other. Stay tuned.

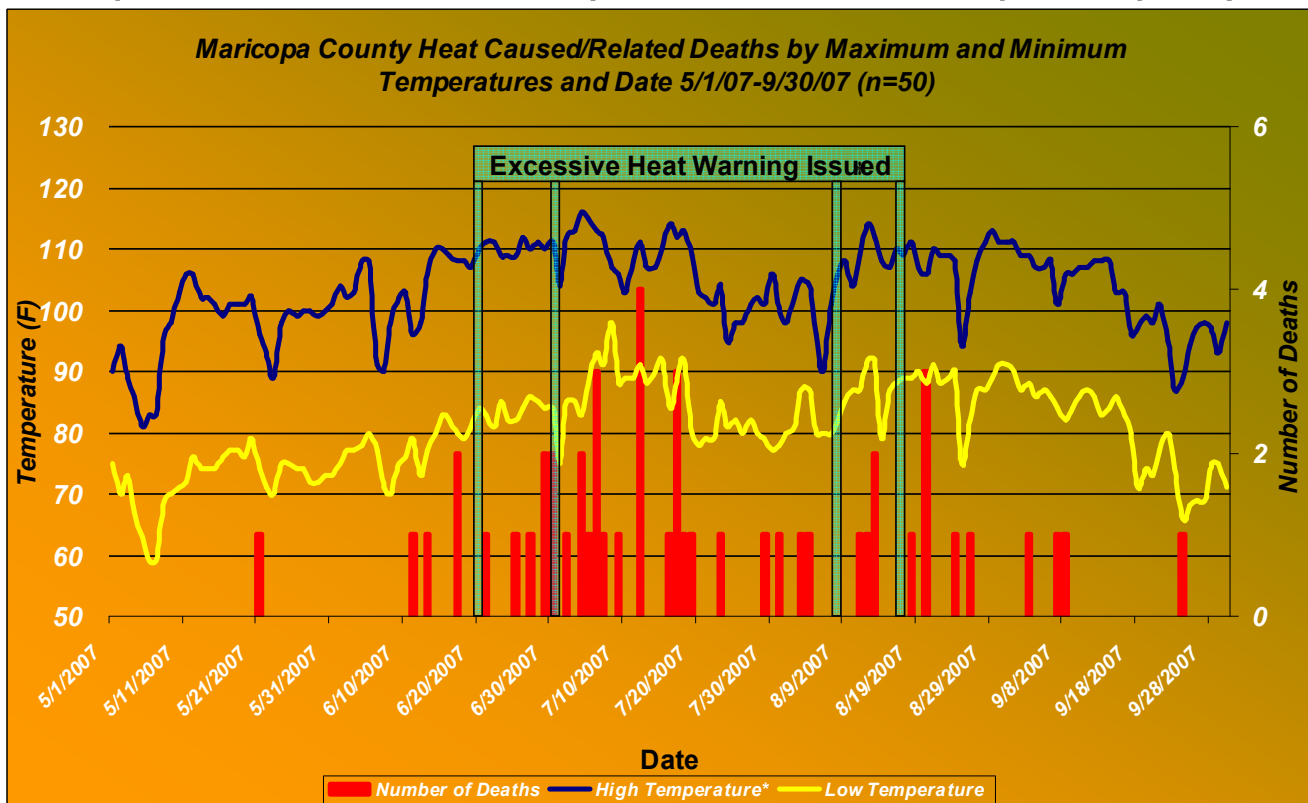
Table 2: 2007 Maricopa County Heat Caused/Related Deaths by Alcohol or Drug and Transient Status

		Transient			
Alcohol or Drugs Reported		Yes	No	Unknown	
Yes		1	9	1	11
No		3	35	1	39
Total		4	44	2	50

Graph 6. Heat Caused/Related Deaths by Decedent's Time in Arizona, 2007

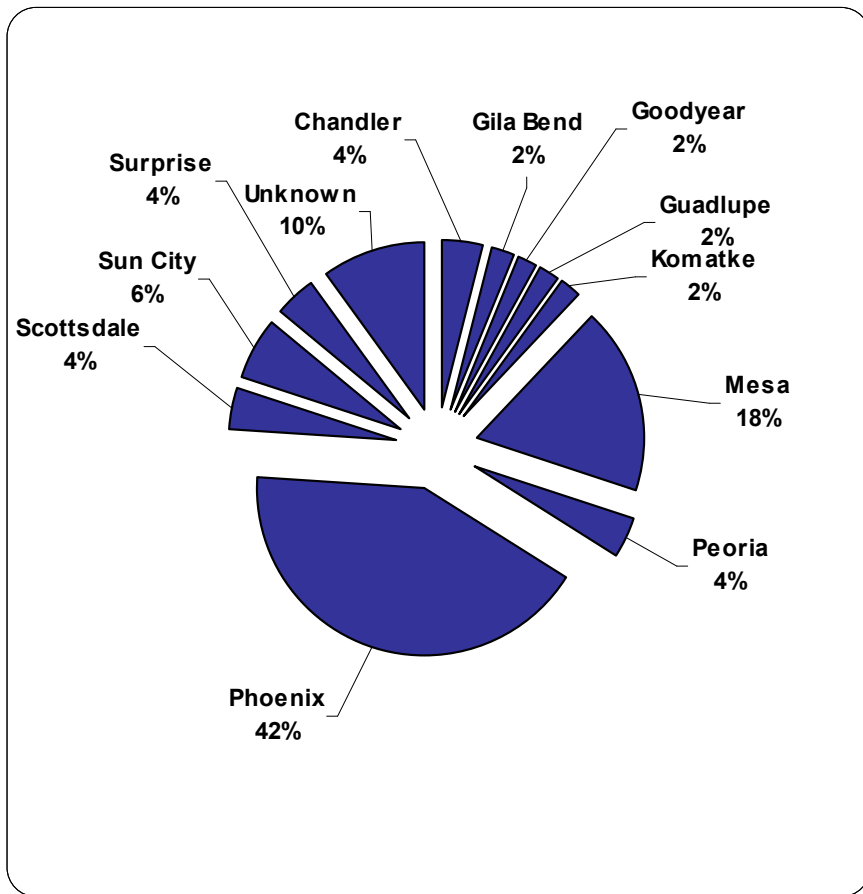


Graph 7. Heat Caused/Related Death by Maximum and Minimum Temperatures per Day, 2007



*A green bar indicates the initial date of an excessive heat warning

Graph 8. Heat Caused/Related Deaths by City of Injury (n=50), 2007



Outdoors was the injury site of 25 deaths, and indoors of the other 25. (All but 8 of the 25 indoor cases had no air conditioning available)

Graph 9. Heat Caused/Related Deaths by Environment and Location of Injury, 2007.

